

EAST Search History

EAST Search History (Prior Art)

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|----------|---|---|------------------|---------|---------------------|
| S1 | 3 | "multistage stochastic program" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/07 15:30 |
| S2 | 6 | stochastic and "sales plan" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/07 15:34 |
| S3 | 114855 | (multistage or "multi-stage") stochastic adj programming and uncertainty and demand and inventory | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/07 16:58 |
| S4 | 3 | S3 and "sales plan" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/07 16:59 |
| S5 | 1 | stochastic near program and multi-stage and recourse | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/07 17:01 |
| S6 | 32761484 | S3 @pd <= "20030918" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/07 17:04 |
| S7 | 82830 | S3 and @pd <= "20030918" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/07 17:04 |

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| S8 | 0 | S7 and multi-item and recourse | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/07 17:05 |
| S9 | 208 | S7 and recourse | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/07 17:05 |
| S10 | 13 | S9 and inventory | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/07 17:06 |
| S11 | 0 | S9 and "705.cls" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/07 17:11 |
| S12 | 952 | (705/10).CCLS. | USPAT; USOCR | OR | OFF | 2008/02/07 17:11 |
| S13 | 0 | ("L7andL10").PN. | USPAT; USOCR | OR | OFF | 2008/02/07 17:12 |
| S14 | 1 | S9 and S12 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/07 17:12 |
| S15 | 114863 | (multistage or "multi-stage") stochastic adj programming and uncertainty and demand and inventory | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/11 08:53 |
| S16 | 3 | S15 and "expected revenue" and "multiple products" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/11 08:54 |
| S17 | 1 | S15 and "maximize expected revenue" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/11 08:56 |

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| S18 | 1 | S15 and "optimal sales plan" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/11 08:59 |
| S19 | 114863 | (multistage or "multi-stage") stochastic adj programming and uncertainty and demand and inventory | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/11 12:48 |
| S20 | 15 | S19 and ((sale or market \$3 or bid or sell\$3) near4 plan) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/11 12:48 |
| S21 | 1 | ((stochastic or dynamic) adj program) and (multi adj (item or commodity or stage or period)) and sale and "maximize expected" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/11 15:33 |
| S22 | 114863 | (multistage or "multi-stage") stochastic adj programming and uncertainty and demand and inventory | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/11 15:34 |
| S23 | 17 | S22 and "maximize expected" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/11 15:34 |
| S24 | 365 | S22 and revenue | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/11 15:38 |
| S25 | 4 | S24 and "expected revenue" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/11 15:38 |
| S26 | 114898 | (multistage or "multi-stage") stochastic adj programming and uncertainty and demand and inventory | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/12 09:38 |

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| S27 | 366 | S26 and revenue | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/12 09:38 |
| S28 | 2 | S27 and "continuously collecting" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/12 09:38 |
| S29 | 114898 | (multistage or "multi- stage") stochastic adj programming and uncertainty and demand and inventory | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/12 09:40 |
| S30 | 0 | S29 and "continously collecting" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/12 09:40 |
| S31 | 114898 | (multistage or "multi- stage") stochastic adj programming and uncertainty and demand and inventory | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/12 11:15 |
| S32 | 1 | S31 and (continuous\$2 near5 (collect\$3 or monitor \$3 or track\$3 or gather\$3) near5 data near5 demand) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/12 11:15 |
| S33 | 10279 | S31 and (data near8 (monitor\$3 or track\$3 or gather\$3 or stor\$3 or sav \$3)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/12 11:17 |
| S34 | 5293 | S33 and @pd <= "20030918" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/12 11:17 |
| S35 | 1777 | S34 and continuously | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/12 11:19 |

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| S36 | 10 | S34 and continuously and ((likelihood or probability) near8 (short\$3 or stockout)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/12 11:20 |
| S37 | 0 | S34 and (quantity or order or demand or inventory) and continuously near8 ((likelihood or probability) near8 (short\$3 or stockout)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/12 11:21 |
| S38 | 161 | S34 and "order data" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/12 11:22 |
| S39 | 10 | S38 and sale and revenue | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/12 11:24 |
| S40 | 3 | S31 and "sales plan" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/12 11:27 |
| S41 | 114898 | (multistage or "multi-stage") stochastic adj programming and uncertainty and demand and inventory | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/13 10:16 |
| S42 | 82489 | S41 and @pd <= "20030918" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/13 10:16 |
| S43 | 23 | S42 and "linear program" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/13 10:16 |
| S44 | 0 | S43 and ("to be sold" or "sale quantity" or "sale amount") near5 (next or following or succe\$6) near5 (time or period or interval or month or day or week) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/13 11:27 |

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| S45 | 0 | S42 and ("to be sold" or "sale quantity" or "sale amount") near5 (next or following or succe\$6) near5 (time or period or interval or month or day or week) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/13 11:28 |
| S46 | 150 | S42 and (next near6 (stage or time or period or interval) near6 (amount or quantity or volume)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/13 11:31 |
| S47 | 0 | S46 and "multiple products" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/13 11:32 |
| S48 | 1 | S46 and variable and "linear program" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/13 11:33 |
| S49 | 2 | "6219649".PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/13 11:47 |
| S50 | 5 | S41 and ((plan\$4 near5 (volume or quantity or amount or size)) and (sold near8 (next or follow\$3 or succ\$5) near8 (time or period or interval or month))) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/13 11:55 |
| S51 | 0 | ((uncertainty near5 demand) with decision) same (make or buy or procure\$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/28 16:20 |
| S52 | 2 | ((uncertain\$2 with (future near5 demand)) with decision) same (make or buy or procure\$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/28 16:21 |

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| S53 | 5393 | ((exceed or greater or above or over) near5 demand) same (sale or volume or accept\$3 or production) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/28 16:24 |
| S54 | 228 | S53 and (stochastic) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/28 16:24 |
| S55 | 7 | S53 and (stochastic near program\$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/28 16:24 |
| S56 | 5723 | ((exceed or greater or above or over) near5 demand) same (sale or volume or accept\$3 or production) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/07/17 14:03 |
| S57 | 121 | S56 and (price near5 (group\$4 or class\$2 or families)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/07/17 14:03 |
| S58 | 90 | S56 and (price near3 (group\$4 or class\$2 or families)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/07/17 14:03 |
| S59 | 59 | S58 and scenario | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/07/17 14:04 |
| S60 | 58 | S59 and (time near5 (frame or period)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/07/17 14:04 |
| S61 | 1 | S60 and indicator and (exceed\$3 with allocation) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/07/17 14:05 |

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|-----|------|--|---|----|----|---------------------|
| S62 | 10 | S60 and (sales near3 plan\$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/07/17 14:16 |
| S63 | 5723 | ((exceed or greater or above or over) near5 demand) same (sale or volume or accept\$3 or production) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/07/19 20:39 |
| S64 | 90 | S63 and (price near3 (group\$4 or class\$2 or families)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/07/19 20:39 |
| S65 | 59 | S64 and scenario | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/07/19 20:39 |
| S66 | 58 | S65 and (time near5 (frame or period)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/07/19 20:39 |
| S67 | 10 | S66 and (sales near3 plan\$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/07/19 20:39 |
| S68 | 3 | S67 and (accept near8 (plan or order)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/07/19 20:39 |
| S69 | 109 | S63 and (production same order same (exceed or above) same volume) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/07/19 20:44 |
| S70 | 20 | S69 and ((indication or indicator) same produc\$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/07/19 20:55 |

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|-----|---|---|---|------|----|---------------------|
| S71 | 0 | (stochastic programming engine) and ((formulat\$3 or creat\$3 or generat\$4) same (execut\$3 or implement\$3) same (multistage stochastic program)) and (strategic decision model) and ((quantity product) same (sold or sale) same (multiple time period))and (((tactical or short) decision model) same ((generat\$3 or comput\$3) economic indicator) same (accept order) same (demand exceeds sales volume)) and (trigger (engine or module) determin\$3 demand scenario) and providing an indication of when to re-determine the sales plan upon determining that the demand scenario for the given time period exceeds the planned sales volume, wherein the sales plan is used by the tactical decision model for generating the economic indicator and for determining a supply of the multiple products in the multiple price "classes." | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | ON | 2010/03/04 13:11 |
| S72 | 0 | (stochastic programming engine) and ((formulat\$3 or creat\$3 or generat\$4) same (execut\$3 or implement\$3) same (multistage stochastic program)) and (strategic decision model) and ((quantity product) same (sold or sale) same (multiple time period))and (((tactical or short) decision model) same ((generat\$3 or comput\$3) economic indicator) same (accept order) same (demand exceeds sales volume)) and (trigger (engine or module) determin\$3 demand scenario) and (provid\$3 indicat\$3 when re- | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | ON | 2010/03/04 13:12 |

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| | | determine sales plan) | | | | |
| S73 | 6 | ("2003/0167146").URPN. | USPAT | OR | ON | 2010/03/04 13:13 |
| S74 | 0 | ("2002/0065750").URPN. | USPAT | OR | ON | 2010/03/04 13:14 |
| S75 | 0 | "705"."7".ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/03/04 13:16 |
| S76 | 4573 | (705/7).ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/03/04 13:16 |
| S77 | 3414 | (705/8).ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/03/04 13:16 |
| S78 | 8 | (US-20020143665-\$ or US-20030130883-\$ or US-20030167146-\$ or US-20020065750-\$).did. or (US-6625577-\$ or US-6138103-\$ or US-6006192-\$ or US-7136830-\$).did. | US-PGPUB; USPAT | OR | ON | 2010/03/04 14:11 |
| S79 | 0 | S73 and S76 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/03/04 14:11 |
| S80 | 0 | S73 and S77 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/03/04 14:11 |
| S81 | 0 | S71 and S76 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/03/04 14:11 |
| S82 | 0 | S72 and S76 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/03/04 14:11 |

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| S83 | 0 | S71 and S77 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/03/04 14:12 |
| S84 | 0 | S72 and S77 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/03/04 14:12 |

EAST Search History (Interference)

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|--------------------------|------------------|---------|------------------|
| S85 | 0 | (stochastic programming engine) and ((formulat\$3 or creat\$3 or generat\$4) same (execut\$3 or implement\$3) same (multistage stochastic program)) and (strategic decision model) and ((quantity product) same (sold or sale) same (multiple time period))and (((tactical or short) decision model) same ((generat\$3 or comput\$3) economic indicator) same (accept order) same (demand exceeds sales volume)) and (trigger (engine or module) determin\$3 demand scenario) and (provid\$3 indicat\$3 when re-determine sales plan) | US-PGPUB; USPAT; UPAD | WITH | ON | 2010/03/04 13:12 |

3/ 4/ 2010 2:17:00 PM**C:\ Documents and Settings\ mfleischer\ My Documents\ EAST\ Workspaces\ OA-No.10-ALL.wsp**